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File: PGPB

Oct 20, 2005

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INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hinuma, Shuji	Ibaraki		JP
Fujii, Ryo	Ibaraki		JP
Harada, Masataka	Ibaraki		JP
Hosoya, Masaki	Ibaraki		JP

US-CL-CURRENT: 435/6; 435/15, 435/7.2, 514/12

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| NEWS 15 | FEB 28 | REGISTRY/ZREGISTRY enhanced with more experimental spectral property data |
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| NEWS 17 | MAR 03 | Updates in PATDPA; addition of IPC 8 data without attributes |
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| NEWS 19 | MAR 22 | EMBASE is now updated on a daily basis |
| NEWS 20 | APR 03 | New IPC 8 fields and IPC thesaurus added to PATDPAFULL |
| NEWS 21 | APR 03 | Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL |
| NEWS 22 | APR 04 | STN AnaVist \$500 visualization usage credit offered |
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On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>). See also:

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s humanin
L1 58 HUMANIN

=> d 1-58 ti so

L1 ANSWER 1 OF 58 MEDLINE on STN
TI Colivelin prolongs survival of an ALS model mouse.
SO Biochemical and biophysical research communications, (2006 May 12) Vol. 343, No. 3, pp. 793-8. Electronic Publication: 2006-03-10.
Journal code: 0372516. ISSN: 0006-291X.

L1 ANSWER 2 OF 58 MEDLINE on STN
TI Identification of the proteins interacting with neuroprotective peptide
humanin in a yeast two-hybrid system.
SO Genetika, (2006 Feb) Vol. 42, No. 2, pp. 274-7.
Journal code: 0047354. ISSN: 0016-6758.

L1 ANSWER 3 OF 58 MEDLINE on STN
TI Peptides and therapeutic proteins--SRI conference. New opportunities for

macromolecule development, delivery and commercialization. 17-18 November 2005, Philadelphia, PA, USA.

SO IDrugs : the investigational drugs journal, (2006 Jan) Vol. 9, No. 1, pp. 25-7.
Journal code: 100883655. ISSN: 1369-7056.

L1 ANSWER 4 OF 58 MEDLINE on STN

TI Optimisation of high performance liquid chromatography separation of neuroprotective peptides. Fractional experimental designs combined with artificial neural networks.

SO Journal of chromatography. A, (2005 Nov 25) Vol. 1096, No. 1-2, pp. 50-7.
Electronic Publication: 2005-07-01.
Journal code: 9318488. ISSN: 0021-9673.

L1 ANSWER 5 OF 58 MEDLINE on STN

TI Development of a femtomolar-acting **humanin** derivative named colivelin by attaching activity-dependent neurotrophic factor to its N terminus: characterization of colivelin-mediated neuroprotection against Alzheimer's disease-relevant insults in vitro and in vivo.

SO The Journal of neuroscience : the official journal of the Society for Neuroscience, (2005 Nov 2) Vol. 25, No. 44, pp. 10252-61.
Journal code: 8102140. E-ISSN: 1529-2401.

L1 ANSWER 6 OF 58 MEDLINE on STN

TI Involvement of tyrosine kinases and STAT3 in **Humanin**-mediated neuroprotection.

SO Life sciences, (2005 Oct 28) Vol. 77, No. 24, pp. 3092-104. Electronic Publication: 2005-07-06.
Journal code: 0375521. ISSN: 0024-3205.

L1 ANSWER 7 OF 58 MEDLINE on STN

TI **Humanin** delays apoptosis in K562 cells by downregulation of P38 MAP kinase.

SO Apoptosis : an international journal on programmed cell death, (2005 Oct) Vol. 10, No. 5, pp. 963-71.
Journal code: 9712129. ISSN: 1360-8185.

L1 ANSWER 8 OF 58 MEDLINE on STN

TI Quantitative analysis of streptococcal exoprotein flow to the host receptor--exact basis for therapy of tumors and Alzheimer's disease.

SO Folia microbiologica, (2005) Vol. 50, No. 1, pp. 63-9.
Journal code: 0376757. ISSN: 0015-5632.

L1 ANSWER 9 OF 58 MEDLINE on STN

TI Increased expression of **humanin** peptide in diffuse-type pigmented villonodular synovitis: implication of its mitochondrial abnormality.

SO Annals of the rheumatic diseases, (2005 Jun) Vol. 64, No. 6, pp. 816-23.
Electronic Publication: 2004-11-26.
Journal code: 0372355. ISSN: 0003-4967.

L1 ANSWER 10 OF 58 MEDLINE on STN

TI **Humanin** detected in skeletal muscles of MELAS patients: a possible new therapeutic agent.

SO Acta neuropathologica, (2005 Apr) Vol. 109, No. 4, pp. 367-72. Electronic Publication: 2005-03-10.
Journal code: 0412041. ISSN: 0001-6322.

L1 ANSWER 11 OF 58 MEDLINE on STN

TI **Humanin** binds and nullifies Bid activity by blocking its activation of Bax and Bak.

SO The Journal of biological chemistry, (2005 Apr 22) Vol. 280, No. 16, pp. 15815-24. Electronic Publication: 2005-01-20.
Journal code: 2985121R. ISSN: 0021-9258.

L1 ANSWER 12 OF 58 MEDLINE on STN

TI Cytoprotective peptide **humanin** binds and inhibits proapoptotic Bcl-2/Bax family protein BimEL.

SO The Journal of biological chemistry, (2005 Apr 22) Vol. 280, No. 16, pp.

15825-35. Electronic Publication: 2005-01-20.
Journal code: 2985121R. ISSN: 0021-9258.

- L1 ANSWER 13 OF 58 MEDLINE on STN
TI Humanin attenuates apoptosis induced by DRPLA proteins with expanded polyglutamine stretches.
SO Journal of molecular neuroscience : MN, (2005) Vol. 25, No. 2, pp. 165-9.
Journal code: 9002991. ISSN: 0895-8696.
- L1 ANSWER 14 OF 58 MEDLINE on STN
TI Effect of humanin on decreased ATP levels of human lymphocytes harboring A3243G mutant mitochondrial DNA.
SO Neuropeptides, (2005 Apr) Vol. 39, No. 2, pp. 97-101.
Journal code: 8103156. ISSN: 0143-4179.
- L1 ANSWER 15 OF 58 MEDLINE on STN
TI A humanin derivative, S14G-HN, prevents amyloid-beta-induced memory impairment in mice.
SO Journal of neuroscience research, (2005 Mar 1) Vol. 79, No. 5, pp. 714-23.
Journal code: 7600111. ISSN: 0360-4012.
- L1 ANSWER 16 OF 58 MEDLINE on STN
TI Solution structure of humanin, a peptide against Alzheimer's disease-related neurotoxicity.
SO Biochemical and biophysical research communications, (2005 Apr 1) Vol. 329, No. 1, pp. 152-60.
Journal code: 0372516. ISSN: 0006-291X.
- L1 ANSWER 17 OF 58 MEDLINE on STN
TI Humanin: after the discovery.
SO Molecular neurobiology, (2004 Dec) Vol. 30, No. 3, pp. 327-40. Ref: 42
Journal code: 8900963. ISSN: 0893-7648.
- L1 ANSWER 18 OF 58 MEDLINE on STN
TI Identification of differentially expressed genes of primary spermatocyte against round spermatid isolated from human testis using the laser capture microdissection technique.
SO Cell research, (2004 Dec) Vol. 14, No. 6, pp. 507-12.
Journal code: 9425763. ISSN: 1001-0602.
- L1 ANSWER 19 OF 58 MEDLINE on STN
TI Interaction of the spectrin-like repeats of alpha-actinin-4 with humanin peptide.
SO Clinical and experimental nephrology, (2004 Dec) Vol. 8, No. 4, pp. 331-8.
Journal code: 9709923. ISSN: 1342-1751.
- L1 ANSWER 20 OF 58 MEDLINE on STN
TI Construction of a eukaryotic expression plasmid of Humanin.
SO Journal of Zhejiang University. Science. B, (2005 Jan) Vol. 6, No. 1, pp. 11-3.
Journal code: 101236535. ISSN: 1673-1581.
- L1 ANSWER 21 OF 58 MEDLINE on STN
TI Effect of humanin analogues on experimentally induced impairment of spatial memory in rats.
SO Journal of peptide science : an official publication of the European Peptide Society, (2004 Oct) Vol. 10, No. 10, pp. 636-9.
Journal code: 9506309. ISSN: 1075-2617.
- L1 ANSWER 22 OF 58 MEDLINE on STN
TI High-yield, solid-phase synthesis of humanin, an Alzheimer's disease associated, novel 24-mer peptide which contains a difficult sequence.
SO Journal of peptide science : an official publication of the European Peptide Society, (2004 Oct) Vol. 10, No. 10, pp. 631-5.
Journal code: 9506309. ISSN: 1075-2617.
- L1 ANSWER 23 OF 58 MEDLINE on STN
TI N-Formylated humanin activates both formyl peptide receptor-like

1 and 2.

SO Biochemical and biophysical research communications, (2004 Nov 5) Vol. 324, No. 1, pp. 255-61.
Journal code: 0372516. ISSN: 0006-291X.

L1 ANSWER 24 OF 58 MEDLINE on STN

TI Identification of novel genes regulated by LH in the primate corpus luteum: insight into their regulation during the late luteal phase.
SO Molecular human reproduction, (2004 Sep) Vol. 10, No. 9, pp. 629-39.
Electronic Publication: 2004-07-02.
Journal code: 9513710. ISSN: 1360-9947.

L1 ANSWER 25 OF 58 MEDLINE on STN

TI Cytotoxic mechanisms by M239V presenilin 2, a little-analyzed Alzheimer's disease-causative mutant.
SO Journal of neuroscience research, (2004 Aug 15) Vol. 77, No. 4, pp. 583-95.
Journal code: 7600111. ISSN: 0360-4012.

L1 ANSWER 26 OF 58 MEDLINE on STN

TI Molecular characterization of neurohybrid cell death induced by Alzheimer's amyloid-beta peptides via p75NTR/PLAIDD.
SO Journal of neurochemistry, (2004 Aug) Vol. 90, No. 3, pp. 549-58.
Journal code: 2985190R. ISSN: 0022-3042.

L1 ANSWER 27 OF 58 MEDLINE on STN

TI Characterization of V642I-AbetaPP-induced cytotoxicity in primary neurons.
SO Journal of neuroscience research, (2004 Jul 1) Vol. 77, No. 1, pp. 54-62.
Journal code: 7600111. ISSN: 0360-4012.

L1 ANSWER 28 OF 58 MEDLINE on STN

TI **Humanin**, a newly identified neuroprotective factor, uses the G protein-coupled formylpeptide receptor-like-1 as a functional receptor.
SO Journal of immunology (Baltimore, Md. : 1950), (2004 Jun 1) Vol. 172, No. 11, pp. 7078-85.
Journal code: 2985117R. ISSN: 0022-1767.

L1 ANSWER 29 OF 58 MEDLINE on STN

TI **Humanin** antagonists: mutants that interfere with dimerization inhibit neuroprotection by **Humanin**.
SO The European journal of neuroscience, (2004 May) Vol. 19, No. 9, pp. 2356-64.
Journal code: 8918110. ISSN: 0953-816X.

L1 ANSWER 30 OF 58 MEDLINE on STN

TI Unravelling the role of **Humanin**.
SO Trends in molecular medicine, (2004 Mar) Vol. 10, No. 3, pp. 102-5. Ref: 21
Journal code: 100966035. ISSN: 1471-4914.

L1 ANSWER 31 OF 58 MEDLINE on STN

TI **Humanin** rescues cortical neurons from prion-peptide-induced apoptosis.
SO Molecular and cellular neurosciences, (2004 Jan) Vol. 25, No. 1, pp. 95-102.
Journal code: 9100095. ISSN: 1044-7431.

L1 ANSWER 32 OF 58 MEDLINE on STN

TI Advantages of derivatization by osmium tetroxide and 2,2'-bipyridine for matrix-assisted laser desorption/ionization post-source decay fragment ion analysis of peptides.
SO Rapid communications in mass spectrometry : RCM, (2004) Vol. 18, No. 3, pp. 339-44.
Journal code: 8802365. ISSN: 0951-4198.

L1 ANSWER 33 OF 58 MEDLINE on STN

TI Amino- and carboxyl-terminal mutants of presenilin 1 cause neuronal cell death through distinct toxic mechanisms: Study of 27 different presenilin 1 mutants.

SO Journal of neuroscience research, (2004 Feb 1) Vol. 75, No. 3, pp. 417-28.
Journal code: 7600111. ISSN: 0360-4012.

L1 ANSWER 34 OF 58 MEDLINE on STN
TI **Humanin** improves impaired metabolic activity and prolongs survival of serum-deprived human lymphocytes.
SO Molecular and cellular biochemistry, (2003 Dec) Vol. 254, No. 1-2, pp. 83-9.
Journal code: 0364456. ISSN: 0300-8177.

L1 ANSWER 35 OF 58 MEDLINE on STN
TI Interaction between the Alzheimer's survival peptide **humanin** and insulin-like growth factor-binding protein 3 regulates cell survival and apoptosis.
SO Proceedings of the National Academy of Sciences of the United States of America, (2003 Oct 28) Vol. 100, No. 22, pp. 13042-7. Electronic Publication: 2003-10-15.
Journal code: 7505876. ISSN: 0027-8424.

L1 ANSWER 36 OF 58 MEDLINE on STN
TI The cytoplasmic domain of Alzheimer's amyloid-beta protein precursor causes sustained apoptosis signal-regulating kinase 1/c-Jun NH₂-terminal kinase-mediated neurotoxic signal via dimerization.
SO The Journal of pharmacology and experimental therapeutics, (2003 Sep) Vol. 306, No. 3, pp. 889-902. Electronic Publication: 2003-06-26.
Journal code: 0376362. ISSN: 0022-3565.

L1 ANSWER 37 OF 58 MEDLINE on STN
TI Characterization of the toxic mechanism triggered by Alzheimer's amyloid-beta peptides via p75 neurotrophin receptor in neuronal hybrid cells.
SO Journal of neuroscience research, (2003 Sep 1) Vol. 73, No. 5, pp. 627-36.
Journal code: 7600111. ISSN: 0360-4012.

L1 ANSWER 38 OF 58 MEDLINE on STN
TI **Humanin** peptides block calcium influx of rat hippocampal neurons by altering fibrogenesis of Abeta(1-40).
SO Peptides, (2003 May) Vol. 24, No. 5, pp. 679-85.
Journal code: 8008690. ISSN: 0196-9781.

L1 ANSWER 39 OF 58 MEDLINE on STN
TI Identification of essential amino acids in **Humanin**, a neuroprotective factor against Alzheimer's disease-relevant insults.
SO Peptides, (2003 Apr) Vol. 24, No. 4, pp. 585-95.
Journal code: 8008690. ISSN: 0196-9781.

L1 ANSWER 40 OF 58 MEDLINE on STN
TI Two serine residues distinctly regulate the rescue function of **Humanin**, an inhibiting factor of Alzheimer's disease-related neurotoxicity: functional potentiation by isomerization and dimerization.
SO Journal of neurochemistry, (2003 Jun) Vol. 85, No. 6, pp. 1521-38.
Journal code: 2985190R. ISSN: 0022-3042.

L1 ANSWER 41 OF 58 MEDLINE on STN
TI **Humanin** peptide suppresses apoptosis by interfering with Bax activation.
SO Nature, (2003 May 22) Vol. 423, No. 6938, pp. 456-61. Electronic Publication: 2003-05-04.
Journal code: 0410462. ISSN: 0028-0836.

L1 ANSWER 42 OF 58 MEDLINE on STN
TI A tripartite motif protein TRIM11 binds and destabilizes **Humanin**, a neuroprotective peptide against Alzheimer's disease-relevant insults.
SO The European journal of neuroscience, (2003 Mar) Vol. 17, No. 6, pp. 1150-8.
Journal code: 8918110. ISSN: 0953-816X.

L1 ANSWER 43 OF 58 MEDLINE on STN
TI Neuronal cell death by Alzheimer's disease-relevant insults and its

rescue.

SO Nippon Ronen Igakkai zasshi. Japanese journal of geriatrics, (2003 Jan) Vol. 40, No. 1, pp. 36-40.
Journal code: 7507332. ISSN: 0300-9173.

L1 ANSWER 44 OF 58 MEDLINE on STN
TI Involvement of c-Jun N-terminal kinase in amyloid precursor protein-mediated neuronal cell death.

SO Journal of neurochemistry, (2003 Feb) Vol. 84, No. 4, pp. 864-77.
Journal code: 2985190R. ISSN: 0022-3042.

L1 ANSWER 45 OF 58 MEDLINE on STN
TI Humanin rescues human cerebrovascular smooth muscle cells from Abeta-induced toxicity.
SO Journal of neurochemistry, (2003 Jan) Vol. 84, No. 2, pp. 266-72.
Journal code: 2985190R. ISSN: 0022-3042.

L1 ANSWER 46 OF 58 MEDLINE on STN
TI "Death and survival of neuronal cells exposed to Alzheimer's disease-relevant insults".
SO Nippon yakurigaku zasshi. Folia pharmacologica Japonica, (2002 Nov) Vol. 120, No. 1, pp. 11P-15P. Ref: 3
Journal code: 0420550. ISSN: 0015-5691.

L1 ANSWER 47 OF 58 MEDLINE on STN
TI Mitochondrial 16S rRNA gene encodes a functional peptide, a potential drug for Alzheimer's disease and target for cancer therapy.
SO Medical hypotheses, (2002 Dec) Vol. 59, No. 6, pp. 670-3.
Journal code: 7505668. ISSN: 0306-9877.

L1 ANSWER 48 OF 58 MEDLINE on STN
TI Death and survival of neuronal cells exposed to Alzheimer's insults.
SO Journal of neuroscience research, (2002 Nov 1) Vol. 70, No. 3, pp. 380-91.
Ref: 99
Journal code: 7600111. ISSN: 0360-4012.

L1 ANSWER 49 OF 58 MEDLINE on STN
TI The neuropeptide PACAP attenuates beta-amyloid (1-42)-induced toxicity in PC12 cells.
SO Peptides, (2002 Aug) Vol. 23, No. 8, pp. 1471-8.
Journal code: 8008690. ISSN: 0196-9781.

L1 ANSWER 50 OF 58 MEDLINE on STN
TI A novel rat gene encoding a Humanin-like peptide endowed with broad neuroprotective activity.
SO The FASEB journal : official publication of the Federation of American Societies for Experimental Biology, (2002 Aug) Vol. 16, No. 10, pp. 1331-3. Electronic Publication: 2002-06-21.
Journal code: 8804484. E-ISSN: 1530-6860.

L1 ANSWER 51 OF 58 MEDLINE on STN
TI Evidence for in vivo production of Humanin peptide, a neuroprotective factor against Alzheimer's disease-related insults.
SO Neuroscience letters, (2002 May 24) Vol. 324, No. 3, pp. 227-31.
Journal code: 7600130. ISSN: 0304-3940.

L1 ANSWER 52 OF 58 MEDLINE on STN
TI Humanin inhibits cell death of serum-deprived PC12h cells.
SO Neuroreport, (2002 May 7) Vol. 13, No. 6, pp. 903-7.
Journal code: 9100935. ISSN: 0959-4965.

L1 ANSWER 53 OF 58 MEDLINE on STN
TI Gly(14)]-Humanin improved the learning and memory impairment induced by scopolamine in vivo.
SO British journal of pharmacology, (2001 Dec) Vol. 134, No. 8, pp. 1597-9.
Journal code: 7502536. ISSN: 0007-1188.

L1 ANSWER 54 OF 58 MEDLINE on STN
TI Detailed characterization of neuroprotection by a rescue factor

SO **humanin** against various Alzheimer's disease-relevant insults.
The Journal of neuroscience : the official journal of the Society for
Neuroscience, (2001 Dec 1) Vol. 21, No. 23, pp. 9235-45.
Journal code: 8102140. E-ISSN: 1529-2401.

L1 ANSWER 55 OF 58 MEDLINE on STN
TI Mechanisms of neuroprotection by a novel rescue factor **humanin**
from Swedish mutant amyloid precursor protein.
SO Biochemical and biophysical research communications, (2001 May 4) Vol.
283, No. 2, pp. 460-8.
Journal code: 0372516. ISSN: 0006-291X.

L1 ANSWER 56 OF 58 MEDLINE on STN
TI A rescue factor abolishing neuronal cell death by a wide spectrum of
familial Alzheimer's disease genes and Abeta.
SO Proceedings of the National Academy of Sciences of the United States of
America, (2001 May 22) Vol. 98, No. 11, pp. 6336-41.
Journal code: 7505876. ISSN: 0027-8424.

L1 ANSWER 57 OF 58 MEDLINE on STN
TI [Cultures of human primary malignant melanoma: development of malignant
melanocytes in vitro].
Cultures de melanomes malins primitifs **humanin**: evolution des
melanocytes malins "in vitro".
SO Annales de dermatologie et de syphiligraphie, (1975) Vol. 102, No. 1, pp.
59-62.
Journal code: 0370561. ISSN: 0003-3979.

L1 ANSWER 58 OF 58 MEDLINE on STN
TI [Isolation of 2 oligosaccharide chains from the glomerular and tubular
basal membranes of human kidney].
Isolement de 2 chaines oligosaccharidiques dans les membranes basales
glomerulaire et tubulaire du rein **humanin**.
SO Archives internationales de physiologie et de biochimie, (1970 Feb) Vol.
78, No. 1, pp. 171-2.
Journal code: 0405355. ISSN: 0003-9799.